

Patent Number(s): NL6915158-A; **DE1950553-A**; FR2020039-A; GB1236888-A

Title: Antimony alcoholates as catalysts - In the production of polyethylene terephthalates

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Patents Cited by Inventor: 0 **Citing Patents:** 1 **Articles Cited by Inventor:** 0

Patents Cited by Examiner: 0 **Articles Cited by Examiner:** 0

Abstract:

Antimony alcoholates as catalysts in the production of polyethylene terephthalates. N2A. have the formula where R1-3 are hydrocarbon residues, such as alkyl grp (pref. is not >8C), alkenyl (vinyl, allyl etc), cycloalkyl, aralkyl or aryl grps., opt. subst. by (cyclo)alkyl, aryl, aralkyl, allyl, ether, nitro, ester, halogen, etc.

The catalyst are used in the polymsn. stage of bis(B-hydroxyethyl) terephthalate (I), in turn made in the usual way by the rea. of ethylene glycol with dimethyl terephthalate under the usual transesterification conditions.

Catalyst are hydrolytically stable, have good activity and are soluble in ethylene glycol in catalytic amounts. Generally 0.003-0.50% (esp. 0.006-0.40%) catalyst on (I) is used. Products have excellent colour.

International Patent Classification: C08G-017/01

Derwent Class: A23 (Polyamides, polyesters, polycarbonates, alkyds); E12 (Organometallics)

Derwent Manual Code(s): A02-A07; A05-E04A; E05-J

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